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VA engineers among newly named AIAA fellows

Dr. Gregory Addington

Dr. Jonathan Poggie

Dr. Jeffery Zweber

by Melissa Withrow, Air Vehicles Directorate

WRIGHT-PATTERSON AIR FORCE BASE, Ohio —Three engineers at the Air Force Research Laboratory's Air Vehicles Directorate were recently announced as American Institute of Aeronautics and Astronautics (AIAA) Associate Fellows for 2003.

Dr. Gregory Addington, Dr. Jonathan Poggie, and Dr. Jeffery Zweber were honored based on their accomplishments in important engineering or scientific work, original work of outstanding merit, or outstanding contributions to the arts, sciences, or technology of aeronautics or astronautics. Addington is currently VA's airframe-propulsion integration 6.3-program manager. He has been working for VA since 1991 researching high angle-of-attack aerodynamics, vortex-dominated flows and air vehicle stability and control. He has been a test engineer at the VA experimental aeronautical sciences laboratories and also a research engineer and program manager for flow control technology development and airframe-propulsion integration. He received his doctorate in aerospace engineering from the University of Notre Dame in 1998.

Poggie joined VA in 1995 after receiving his doctorate in mechanical and aerospace engineering at Princeton University. Since that time, he has worked in the areas of experimental hypersonic boundary layer stability and transition and more recently the areas of computational plasmadynamics and magnetohydrodynamics. He is internationally known for work in developing and evaluating electromagnetic flow control concepts for hypersonic systems, which have the potential to revolutionize the design of aerospace vehicles.

Zweber received his doctorate in aerospace engineering from the Georgia Institute of Technology in 1995. He is the deputy for VA's Space Operations Vehicle Integrating Concept Office, currently on temporary assignment as deputy for the space access pillar of the National Aerospace Initiative (NAI) office in Washington, D.C. NAI is a partnership between the DoD and NASA designed to sustain America's aerospace leadership. Since arriving at VA, Zweber has also been the Air Force lead for the Systems Engineering Work Breakdown Structure element of the Air Force/NASA One Team on the "120 Day Study." He has represented AFRL on NASA's Space Launch Initiative Systems Engineering and Architecture Definition Evaluation Team and been a project engineer for the Supersonic/Hypersonic Vehicle Design Simulation System Dual Use Science and Technology project.

AIAA has been the principal society of aerospace engineers and scientists for over 70 years. It is the world's largest professional society devoted to the progress of engineering and science in aviation, space, and defense. @